

Erratum: On the classification of 6D SCFTs and generalized ADE orbifolds

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List of corrections:

- In section 4, page 12, a characterization of D-type orbifold singularities associated with the configuration of curves $D(y|x_1, \dots, x_\ell)$ is given. In this case, the group is actually a generalized D-type group, and is often labelled as $D_{p+q,q}$ where p and q are associated with the Hirzebruch-Jung continued fraction:

$$\frac{p}{q} = (y - 1) - \frac{1}{x_1 - \dots - \frac{1}{x_\ell}}. \quad (1)$$

For the present work the explicit form of this group is not needed. Similar considerations apply to the discussion in appendix D for D-type orbifold singularities. For further discussion see e.g., reference [1], as well as [2, 3].

- In section 5, table 1, there are a few typos in the list of endpoints at a small number of curves. The corrected entries are presented in the included table, and are explained more fully in the latest arXiv version of the present paper.
- In section 7, the proposed duality moves were revisited in reference [4] where it was found that the proposed duals have distinct anomaly polynomials. Therefore these theories are not duals, but are instead distinct. Similar considerations apply to the discussion in appendix E. This is explained more fully in the latest arXiv version of the present paper.

1	2	3	4	5	6	7	8	9	10
(12)									
	92								
	83	822	8222	82222					
	77	742	7322	73222	732222				
		733	7233	72322	723222	7232222			
		727	7242	72242	722322	7223222	72232222	722232222	7222232222
		352	7227	72233	722242	7222322	72223222	722223222	7222223222
		343	3422	72227	722233	7222242	72222322	722222322	7222222322
		262	3342	34222	722227	7222233	72222242	722222242	7222222242
			3333	33322	342222	7222227	72222233	722222233	7222222233
			2522	33242	333222	3332222	72222227	722222227	7222222227
			2442	33233	332322	3323222	33232222	332232222	3322232222
				2522	332242	3322322	33223222	332223222	3322223222
				24322	332233	3322242	33222322	332222322	3322222322
				24242	252222	3322233	33222242	332222242	3322222242
				22422	243222	2432222	33222233	332222233	3322222233
					242322	2423222	24232222	242232222	2422232222
					242242	2422322	24223222	242223222	2422223222
					224222	2422242	24222322	242222322	2422222322
					223322	2242222	24222242	242222242	2422222242
						2233222	22332222	223232222	2232232222
						2232322	22323222	223223222	2232223222
						2224222	22322322	223222322	2232222322
							22242222	222332222	2223232222
							22233222	222242222	2222332222

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References

- [1] O. Iyama and M. Wemyss, *The classification of special Cohen-Macaulay modules*, *Math. Zeitsch.* **265** (2009) 41 [[arXiv:0809.1958](https://arxiv.org/abs/0809.1958)].
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- [3] E. Brieskorn, *Rationale singularitäten komplexer flächen*, *Invent. Math.* **4** (1968) 336.
- [4] J.J. Heckman, D. R. Morrison, T. Rudelius and C. Vafa, *Geometry of 6D RG flows*, [arXiv:1505.00009](https://arxiv.org/abs/1505.00009).